

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/051204

| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B20/12 G11B27/32 G11B20/18 | | |
|--|---|--|
| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED Minimum documentation searched, (classification system followed by classification symbols) IPC 7 G11B | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Interpretal, WPI Data, PAJ | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | US 2003/026186 A1 (MIMURA HIDEKI ET AL) 6 February 2003 (2003-02-06) abstract paragraphs '0002! - '0014! paragraphs '0046! - '0053! paragraph '0092! figures 1,15 | 1,8,15, 16 |
| A | US 6 526 475 B1 (EVERETT TIMOTHY J ET AL) 25 February 2003 (2003-02-25) the whole document | 1,8,15, 16 |
| A | US 2002/159369 A1 (SCHOLL GERRIT JAN ET AL) 31 October 2002 (2002-10-31) the whole document | 1,8,15, 16 |
| A | EP 0 357 049 A (MATSUSHITA ELECTRIC IND CO LTD) 7 March 1990 (1990-03-07) | |
| <input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. | | |
| * Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family | | |
| Date of the actual completion of the international search 21 October 2004 | | Date of mailing of the international search report 14/03/2005 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | | Authorized officer Sucher, R |

Best Available Copy

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051204

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|---|----|---------------------|----|----------------------------|---------------------|
| US 2003026186 | A1 | 06-02-2003 | JP | 2003114817 A | 18-04-2003 |
| US 6526475 | B1 | 25-02-2003 | CN | 1467638 A | 14-01-2004 |
| | | | CN | 1114167 B | 09-07-2003 |
| | | | EP | 1040480 A2 | 04-10-2000 |
| | | | WO | 0000982 A2 | 06-01-2000 |
| | | | JP | 2002519794 T | 02-07-2002 |
| | | | NO | 20000946 A | 05-04-2000 |
| | | | TW | 511076 B | 21-11-2002 |
| US 2002159369 | A1 | 31-10-2002 | EP | 1402529 A2 | 31-03-2004 |
| | | | WO | 02086729 A2 | 31-10-2002 |
| | | | JP | 2004526385 T | 26-08-2004 |
| EP 0357049 | A | 07-03-1990 | DE | 68922045 D1 | 11-05-1995 |
| | | | DE | 68922045 T2 | 03-08-1995 |
| | | | DE | 68923568 D1 | 24-08-1995 |
| | | | DE | 68923568 T2 | 25-01-1996 |
| | | | EP | 0357049 A2 | 07-03-1990 |
| | | | EP | 0569045 A1 | 10-11-1993 |
| | | | JP | 2139768 A | 29-05-1990 |

Post Available Copy